

## **CLAIMS ONLY**

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

							÷
	AS F	ILED	AFTER		AFTER		l
			1st AMENDMENT		2nd AMENDMENT		4
	IND.	DEP.	IND.	DEP.	IND.	DEP.	┙
101		1			1	l	1
2vi-		7					٦
B03	7 .	•	<del> </del>	<del>                                     </del>	†		1
	<u>' · · · </u>	_	<del> </del>	<del></del>	<del>                                     </del>		H
404			<b> </b>				4
5 05		_1_			<u> </u>		1
<b>6</b> 0€		1				İ	ı
7 07	7.						٦
<b>8</b> cv	<del></del>		1				٦
		<del></del>	<del>                                     </del>		<del>                                     </del>	<u> </u>	┨
9 (4		<del></del>	<del> </del>		<del>                                     </del>	<del> </del>	┨
1 <b>0</b> 0					<u> </u>	<b>├</b>	4
111	<u> </u>						4
182		<u> </u>					╝
133		- 1				]	1
14							٦
15			1				1
16			<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	۲
			<del> </del>	<del> </del>	+	<del>                                     </del>	$\dashv$
17		ļ	<del> </del>	<del> </del>	+	<b></b>	4
18				L	<b></b>	<del>  </del>	4
19		<u> </u>				L	
20							
21					1		٦
22		<del></del>	†	†			┪
23			+		+	<del> </del>	Ⅎ
			<del></del>	<u> </u>	<del>                                     </del>	<del> </del>	4
24			ļ	ļ	ļ	<b>_</b>	4
25			<u> </u>		ļ		
26		ĺ			1	İ	
27			i				٦
28					1		7
29		<u> </u>	<del>                                     </del>		<del>                                     </del>	<del> </del>	┪
		-	<del>                                     </del>	<del> </del>	┼	+	4
30			-	-	╄——	<del>                                     </del>	-
- 31			<b>_</b>	ļ	<del>                                     </del>	—	
32			<u> </u>			<u> </u>	
33				1		1	
34							_
35		<del>                                     </del>			1		_
36		<del> </del>	+	<del>                                     </del>	1	<del>                                     </del>	_
	<b> </b>	ļ	+	+	╁	+	_
37			+	<b> </b>	+	+	
38	L	ļ	1	<u> </u>	ļ	$\vdash$	_
39		<u> </u>			L		_
40							_
41	T	1	1	1	1		
42		<del> </del>	1	1	1	<b>T</b>	_
43	<del> </del>	<del> </del>	<del> </del>	+	+	<del></del>	
	<u> </u>	<del>                                     </del>	+		+	+	_
44		ļ	1	-		<del> </del>	
45				ļ	_	1	
46						1	_
47			1			1	_
48	<del>                                     </del>	1	+	+	+	+	_
			+	+	+	+	_
49		$1 \rightarrow$	4	<del> </del>		+-	
50						$\bot$	_
TOTAL IND.	71		<i>}</i>	] _#			
TÓTAL DEP.	42	_	¥	-		_	
TOTAL	113		1		1	1	_
CLAIMS	111/	1 1		1		1	

51 52 53 54	IND.	DEP.	IND.	OEP.	IND.	
52 53		I			IND.	DEP.
53		1	·			
54						
55						
56						
57						
58						]
59						
60						
61		Ĭ				
62						
63						
64						
65				l		
66		Ī				
67			I			
68					ļ	
69						
70						T
71						
72			1		1	
73		<b>†</b>				
74		†	1		1	1
75			1			
76				i	1	
77				1 -	1	1
78					1	<b>†</b>
79				1		1
80				i	1	T .
81		1	<del>                                     </del>	<del>                                     </del>	<del>†                                      </del>	1
82		1	1	<u> </u>		1
83		<b>—</b>	<del>                                     </del>		1	1
84		1	<del>                                     </del>	†	†	1
85		<del>                                     </del>	1	+	<del>†</del>	<del>†                                     </del>
86	<del> </del>	+	+	<del>                                     </del>	<del>                                     </del>	†
87		1			1	+
88	<b></b>	<del>                                     </del>	<del> </del>	<del> </del>	+	+
89	<del>                                     </del>	+	1	<del> </del>	1	+-
90	<b></b>	+	+	<del>                                     </del>	†	+-
91		+	+	+	1	+-
92	<u> </u>		<del> </del>	+	1	+
93	<del>                                     </del>	+-	+	<del> </del>	1	+
94	$\vdash$	<del>                                     </del>	+	1	1	+
95		+	+	+	+	
96	<del>                                     </del>	+		+	+	+
97	<del>                                     </del>	+	+		+	+
98	<del>                                     </del>	+	+	+		+-
99	$\vdash$	+	+		<del> </del>	+
100	<del> </del>	<del>                                     </del>	+	+	+	+-
TOTAL		-	+	+	<del></del>	
IND.	<u>L</u>			╛		▋
TOTAL DEP.		-		-		<b>—</b>
TOTAL CLAIMS	†		<del>                                     </del>	7	1	T

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM **PTO-2022** (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

## **CLAIMS ONLY**

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

1	AS FILED			TER NDMENT	AFTER 2nd AMENDMENT		
	IND.	DEP.	IND.	DEP.	IND.	DEP.	
1							
2		,	T				
3		-	<del>                                     </del>		<del>                                     </del>		
4		1	<b>†</b>				
5			<del>                                     </del>	<del>                                     </del>			
6		<del></del>	╁		<del>                                     </del>		
		<del>                                     </del>	<del> </del>				
7	-	<del>                                     </del>	<del> </del>				
8 9	1.	<del>  , </del>	ļ		<del> </del>	<del> </del>	
				-	ļ	<del> </del>	
10	-		<b> </b>		-		
11		!			-		
12		<u> </u>	<b></b>		ļ	<del> </del>	
13			ļ				
14			ļ				
15	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>	<u> </u>				
16		. 1	ļ		ļ	<u> </u>	
17	_	/	<u> </u>			ļ	
18		1	ļ				
19		/				L	
20		1					
21		1				I	
22	1 .						
23		1			1		
24		1			i		
25		1			†		
26		i	1	· · · · · · ·	t		
27	١.	<u> </u>	<del> </del>		<del>-</del>	<b> </b>	
28	1	1				<del> </del>	
29		,		<del>                                     </del>	t	<del>                                     </del>	
30		<del>l i</del>	1	Ì	<u> </u>	<del> </del>	
31		i i	1				
32	٠,	<del>  '</del>	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	
33		1 -	+	<del> </del>	<del> </del>	-	
34		++-	<del> </del>	<del> </del>	<del> </del>	-	
		1 1	+	<del>                                     </del>	<del>                                     </del>	<del> </del>	
35		11-	1	-	1	-	
36	<del></del>		<b>.</b>	ļ	<b>_</b>	<u>.</u>	
37	<u> </u>	<del> </del>	1	1	-	ļ	
38		!	<b> </b>	<del> </del>	ļ	1	
39		1	.			ļ	
40		<u> </u>				<u> </u>	
41		1	<b></b>			1	
42		1	1		ļ	ļ	
43		1					
44		١					
45					1		
46		1			1		
47	t		1	1	1		
48	<del>                                     </del>	<del>                                     </del>	T	†	†	1	
49	Ι,	<del>                                     </del>	+	<del> </del>	<del>                                     </del>	+	
50	L '	+ -	+	$+ \cdots$	<del> </del>	+	
TOTAL	2	+	+	<del> </del>	<del> </del>	+	
IND.	2	J ↓↓		J	L		
TOTAL DEP.		<b>—</b>		-		<b>—</b>	
TOTAL CLAIMS			1 .				

3								
T		*		*		*		
		IND.	DEP.	IND.	DEP.	IND.	DEP.	
	51		1					
L	52			<u> </u>				
Ĺ	53		1	<u> </u>				
Ĺ	54		1	<u> </u>	ļ		ļ	
Ĺ	55		1	<u> </u>				
L	56			ļ	<u> </u>	<u> </u>	ļ	
L	57	′	1	<del>                                     </del>	<u> </u>	<b>—</b>		
L	58 50		1	+	-	<b> </b>	<b>_</b>	
F	59	1	· /	+	-	-	<u> </u>	
L	60	<b></b>	1	<del> </del>	ļ	<del>                                     </del>	<b></b>	
1	61		<del>- , -</del>	<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	
-	62		1	+	ļ	<del>                                     </del>		
-	63	<b></b>	1	+	<del> </del>	<del>                                     </del>	<del></del>	
+	64		l l	+	<del> </del>	<del> </del>	<del> </del>	
1	65 66	<b></b>		+	+	<del> </del>	<del> </del>	
+	66 67	<b> </b>	1	<del> </del>	<del> </del>	<del> </del>	<del> </del>	
+	67 68		1	+	<del> </del>	<del> </del>	<del>                                     </del>	
+	68			+	<del> </del>	<del>                                     </del>	<del>                                     </del>	
+	69 70	ŀ.	1	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	
H	70	1	<del>                                     </del>	+	<del> </del>	<del>                                     </del>	+	
H	71 72	/	<del> </del>	+	-	<b></b>	<del> </del>	
H	73	<del>-</del>	<del>                                     </del>	<del> </del>	+		<u> </u>	
H	74		<del>                                     </del>	†	+	<b>†</b>	-	
ŀ	75		1	+	<del>                                     </del>	<b> </b>	<b> </b>	
ŀ	76	<b> </b>	+	1			<b> </b>	
ŀ	77	/		1	<del>                                     </del>	t		
ŀ	78	<del>-                                    </del>	1	†			t	
ŀ	79		17-	1	<del> </del>	1	<b> </b>	
t	80		<u> </u>	1	1			
t	81	$\Gamma$	1	1	<u> </u>	I		
ł	82	_/	Ľ	<u> </u>	<u> </u>			
t	83	Ĺ	7	Ι	1			
t	84		1	1	<u> </u>			
ţ	85		1	<u> </u>	<u> </u>	$\Gamma$		
t	86		$\Box$	I	$\Gamma$			
t	87		1					
Ì	88		1					
1	89		1					
-	90		j_		$\bot$			
	91	$\prod$	<u> </u>	$\bot$	$\bot$	lacksquare	<u> </u>	
	92	<u> </u>	1	<b></b>		<u> </u>		
	93	$\bot$	1	$\bot$	$\bot$	<u> </u>	<u> </u>	
	94	<u> </u>		<b>↓</b>		<b>↓</b>	<b>↓</b>	
	95		Ţi	<b></b> _	<del></del>	$\bot$		
	96		<b>↓</b>	<b></b>	<del></del>	<b>↓</b>	<del></del>	
	97	$\vdash$	1/			<del></del>	ļ	
1	98	<u> </u>	$\downarrow i$	<del></del>	<del></del>	1		
	99	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<del>                                     </del>	
	100	<del></del>	1	<del></del>		<del></del>	<u> </u>	
١	TOTAL IND.	_	1			1		
١	TOTAL				<b>—</b> *			
1	DEP. TOTAL CLAIMS	<del>                                     </del>						
į	CLAIMS	1	jin .			<u> </u>	ه نا	

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office